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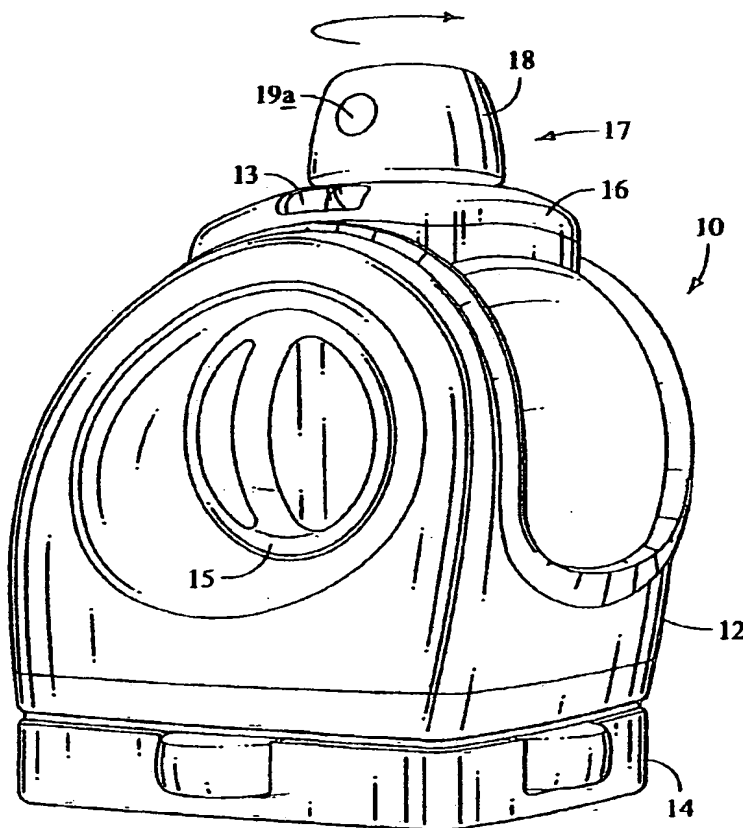
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(54) Title: MANUAL LEVELING ROTATING LASER WITH SWIVEL HEAD



(57) Abstract: A self-contained laser generator (10) uses a laser diode and a mirror to generate a laser light beam, split it into two parts, and generate a laser light beam, split it into two parts, and generate perpendicular beams of laser light. One of more mirrors are useful for receiving light and splitting it into two beams. An internal motor then rotates the mirrors and one of the beams becomes a rotating laser light, useful for aligning objects in a horizontal or vertical direction. The other beam may be used to locate and orient the rotating laser line generator (10) in a different plane.

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# INTERNATIONAL SEARCH REPORT

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PCT/US03/06269

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02B 5/08, 26/00; G06K 7/10; G01C 9/2, 9/12, 9/16, 9/18; G01B 27/32; G01B 11/00; G01C 15/00, 5/00.  
US CL : 235/462.36, 462.38; 33/286, 290, 291; 356/399, 247, 249, 256

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 235/462.36, 462.38; 33/286, 290, 291; 356/399, 247, 249, 256

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Yahoo Internet Search for Laser Level Devices

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,014,211 A (Middleton et al.) 11 January 2000 (11.1.2000), see whole document.	1-30
Y	US 6,163,969 A (Jan et al.) 26 December 2000 (26.12.2000), see whole document.	1-30
Y	US 6,043,879 A (Dong) 28 March 2000 (28.03.2000), see whole document.	1-30
Y	US 5,400,514 A (Imbrie et al.) 28 March 1995 (28.03.1995) see whole document.	1-30
Y	US 4,221,483 A (Rando) 09 September 1980 (09.09.1980), see whole document.	1-30
Y	US 4,854,704 A (Funazaki et al.) 08 August 1999 (08.08.1999), see whole document.	1-30
Y	US 6,082,875 A (Kousek) 04 July 2000 (04.07.2000), see whole document.	1-30
Y	US 5,533,268 A (Keightley) 09 July 1996 (09.07.1996), see whole document.	1-30
A	US 5,836,081 A (Orosz, Jr.) 17 November 1998 (17.11.1998), see whole document.	1-30

☒ Further documents are listed in the continuation of Box C.

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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,872,657 A (Rando) 16 February 1999 (16.2.1999), see whole document.	1-30